

*re run*

IFWO

## RAW SEQUENCE LISTING

DATE: 07/27/2004

PATENT APPLICATION: US/10/849,979

TIME: 17:37:50

Input Set : N:\Crf4\Refhold\10\_folder\J849979MOD.raw

Output Set: N:\CRF4\07272004\J849979.raw

1 <110> APPLICANT: Ruben et. al.  
 2 <120> TITLE OF INVENTION: 97 Human secreted proteins  
 3 <130> FILE REFERENCE: PZ028P2  
 4 <140> CURRENT APPLICATION NUMBER: US/10/849,979  
 5 <141> CURRENT FILING DATE: 2004-05-21  
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 7 <151> PRIOR FILING DATE: 2001-09-10  
 8 <150> PRIOR APPLICATION NUMBER: 60/231,846  
 9 <151> PRIOR FILING DATE: 2000-09-11  
 10 <150> PRIOR APPLICATION NUMBER: 09/892,877  
 11 <151> PRIOR FILING DATE: 2001-06-28  
 12 <150> PRIOR APPLICATION NUMBER: 09/437,658  
 13 <151> PRIOR FILING DATE: 1999-11-10  
 14 <150> PRIOR APPLICATION NUMBER: PCT/US99/09847  
 15 <151> PRIOR FILING DATE: 1999-05-06  
 16 <150> PRIOR APPLICATION NUMBER: 60/085,093  
 17 <151> PRIOR FILING DATE: 1998-05-12  
 18 <150> PRIOR APPLICATION NUMBER: 60/085,094  
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 25 <151> PRIOR FILING DATE: 1998-05-18  
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 41 <151> PRIOR FILING DATE: 1998-05-18  
 42 <160> NUMBER OF SEQ ID NOS: 465  
 43 <170> SOFTWARE: PatentIn Ver. 2.0

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Input Set : N:\Crf4\Refhold\10\_folder\J849979MOD.raw

Output Set: N:\CRF4\07272004\J849979.raw

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47 <212> TYPE: DNA
48 <213> ORGANISM: Homo sapiens
49 <400> SEQUENCE: 1
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51      aattcgaggg tgcaccgtca gtcttctctt tcccccaaa acccaaggac accctcatga      120
52      tctcccgagc tcttgaggtc acatgcgtgg tgggtggacgt aagccacgaa gacctgagg      180
53      tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg      240
54      aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact      300
55      ggctgaatgg caaggagtac aagtgcgaagg tctccaacaa agccctccca acccccatcg      360
56      agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc      420
57      catcccgagg tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct      480
58      atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaa aactacaaga      540
59      ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg      600
60      acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc      660
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62      gactctagag gat                                     733
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65 <211> LENGTH: 5
66 <212> TYPE: PRT
67 <213> ORGANISM: Homo sapiens
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69 <221> NAME/KEY: Site
70 <222> LOCATION: (3)
71 <223> OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
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74          1             5
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79 <213> ORGANISM: Homo sapiens
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82      cccgaaatat ctgccatctc aattag                                     86
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85 <211> LENGTH: 27
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Input Set : N:\Cr4\Refhold\10\_folder\J849979MOD.raw

Output Set: N:\CRF4\07272004\J849979.raw

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106 <400> SEQUENCE: 6
107     gcgctcgagg gatgacagcg atagaacccc gg      32
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110 <211> LENGTH: 31
111 <212> TYPE: DNA
112 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 7
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117 <211> LENGTH: 12
118 <212> TYPE: DNA
119 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 8
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133 <212> TYPE: DNA
134 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 10
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137     caattagtc gcaaccatag tcccggccct aactccgcc atcccgcccc taactccgcc      120
138     cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga      180
139     ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg      240
140     cttttgcaaa aagctt      256
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143 <211> LENGTH: 1191
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 11
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148     gggaccacat ggggacgctg ccatggcttc ttgccttctt cattctgggt ctccaggctt      120
149     gggatactcc caccatcgtc tcccgaagg agtggggggc aagaccgctc gcctgcaggg      180
150     ccctgctgac cctgcctgtg gcctacatca tcacagacca gctcccaggg atgcagtgcc      240
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TIME: 17:37:50

Input Set : N:\Cr4\Refhold\10\_folder\J849979MOD.raw

Output Set: N:\CRF4\07272004\J849979.raw

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155      agggctctgat ctctatgcc atccagaagg gtcacctgtc gcccaggtat attcagccac      540
156      ttcttctgaa agaagagacc tgctggacc ctcaacatcc agtgatgccc agraagggtt      600
157      gcccacacat catcaaacga tctgcttggg aagccagaga gacacactgc cctaaaatga      660
158      acctcccagc caaatatgtc atcatcatcc acaccgtgtg cacaagctgc actgtatcca      720
159      cagactgcca gactgtctgc cgaaacatcc agtcctttca catggacaca cggaactttt      780
160      gtgacattgg atatcaataa ggcagggcgt ggcggcgatt acgtctgtta tcccaggact      840
161      ttggggaggcc aaggcgggca gatcacttca gcccaggaat tcaagagcag cctggccaat      900
162      atggcgaaac tctgtctcta ctgaaaacaa acaaacacaa aaacaaacaa acaagaaac      960
163      aacaaaaatt agccgggtgt ggtggcacac gcctgtagtc ccagctactc aggaggctga      1020
164      ggcataagaa ttgcttgaac cctggaggcg gaggttgcag tgagctgaga ttggggccacc      1080
165      gcactccagt ctgggagaca gactgagact gtctcaaac aacaacaaaa aaatccctaa      1140
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175      atctaaaact agaccctta gaactctgaa gtcagagcaa ctttccctct gtcaatccta      180
176      ctactactt ttgtamcctt gaccagagaa gttgcttaat ctttgggggt ctgcattctc      240
177      atatacctaa agtaggaata aaaatacctg cttagagact tgctcagtc atcaaatrag      300
178      agattataca caaccttccc acttcaagga tggctgcaag gacaaaaaag aaaaatgaca      360
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183      cacagttatt attaaaaaga aaggattctc tatgtgcttt tattcagccc atggctttta      660
184      atatcatcca tgtgcctatg tcttccaaat gtatttttcc agcccagtc ggtccctcga      720
185      cattcagatc cttatggtgg tgccctcacc ctatatccaa atgccaactt ggtctctact      780
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187      ttatctctat ctcaataaat cacaccacca cagtgcacaa ttttccctaa tcaaatcct      900
188      aagaatcctc cttgattttt cccttccctt tgtcccttgc catcccagat tatcctgcaa      960
189      aaactgtcta tgctacctac aaaagtatct gccacatgtc atactaattg tcratacct      1020
190      agagcaccmt tcactgtcct tcacctgtgg tgttgctgca attgtctcct tcttggtgc      1080
191      cctgattata tccattctcc ctgtctccaa aagcattctg cgcacagcag acacagatgt      1140
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199 <220> FEATURE:
200 <221> NAME/KEY: SITE
201 <222> LOCATION: (1417)
202 <223> OTHER INFORMATION: n equals a,t,g, or c
203 <220> FEATURE:

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## RAW SEQUENCE LISTING

DATE: 07/27/2004

PATENT APPLICATION: US/10/849,979

TIME: 17:37:50

Input Set : N:\CrF4\Refhold\10\_folder\J849979MOD.raw

Output Set: N:\CRF4\07272004\J849979.raw

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218 <223> OTHER INFORMATION: n equals a,t,g, or c
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222 <223> OTHER INFORMATION: n equals a,t,g, or c
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226      tccacagatt ttgaagtaca ccgaaacttg cttgctatca ctcacagttt gccaatatca      180
227      cagtgggtatt atgaggcaac ttcagagtgg acgttggatt accccctttt ctttgcattg      240
228      tttgagtata tctgtcaca tgttgccaaa tattttgatc aagaaatgct gaatgtccat      300
229      aatttgaatt actccagctc aaggacctta cttttccaga gattttccgt catctttatg      360
230      gatgtactct ttgtgtatgc tgtccgtgag tgetgtaaat gcattgatgg aaaaaaagtg      420
231      ggtaaagaac ttacagaaaa gccaaaattt attctgtcgg tattacttct gtggaacttc      480
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233      ctactctcca ttgcacgatt atttcagaaa aggcataatg aaggagcatt tctctttgct      600
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240      gcctcaatga caagtggttt ggttcagcag ttccaacaca cagtccttcc ctcagtact      1020
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243      tttatgtttg ggtggcatgt tcatgaaaaa gccatacttc tagcaattct cccaatgagc      1200
244      cttttgtctg tgggaaaagc aggagacgct tcgatttttc tgattctgac cacaacagga      1260
245      cattattccc tctttcctct gctcttcaact gcaccagaac ttcccattaa aatcttactc      1320
246      atgttactat tcaccatata tagtatctcg tcaactgaaga ctttattcag aaaagaaaaa      1380
W--> 247      cctcttttta attggatgga aactttctac ctgcttngcc tggggcctct ggaagtctgc      1440
248      tgtgaatttg tattcccttt cacctcctgg aagggtgaagt accccttcat ccctttgtta      1500
249      ctaacctcag tgtattgtgc agtaggcac acatatgctt ggttcaaact gtatgtttca      1560
250      gtattgattg actctgctat tggcaagaca aagaaacaat gaataaagga actgcttaga      1620
251      aaaaaaaaaa aaaaaaaaaa aaaggcgggc cgctctagag gatccctcga gggcccaagc      1680
252      ttacgcgtgc atgcgagtca tantctctcc tggnttgatc gtatgaagct nngc      1734

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**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/849,979**DATE: 07/27/2004  
TIME: 17:37:51Input Set : N:\Cr4\Refhold\10\_folder\J849979MOD.raw  
Output Set: N:\CRF4\07272004\J849979.raw**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 3  
Seq#:13; N Pos. 1417,1703,1714,1715,1731,1732  
Seq#:14; N Pos. 22,430  
Seq#:16; N Pos. 424,823,960  
Seq#:17; N Pos. 1240  
Seq#:18; N Pos. 1100  
Seq#:20; N Pos. 16,28,47,52,93  
Seq#:23; N Pos. 1050,3743,3848,3877,3882,3885  
Seq#:25; N Pos. 587,1634,1648,1659,1668  
Seq#:26; N Pos. 1025  
Seq#:27; N Pos. 7  
Seq#:30; N Pos. 434,441,1300  
Seq#:31; N Pos. 1099  
Seq#:35; N Pos. 283  
Seq#:36; N Pos. 329,340,977,1117  
Seq#:38; N Pos. 43,47,58  
Seq#:40; N Pos. 293  
Seq#:42; N Pos. 353  
Seq#:53; N Pos. 912  
Seq#:54; N Pos. 975  
Seq#:57; N Pos. 1540,1935  
Seq#:58; N Pos. 1248,1255  
Seq#:61; N Pos. 1047  
Seq#:63; N Pos. 52,66,84  
Seq#:70; N Pos. 1790,1792,1801  
Seq#:72; N Pos. 8,28,30,47,873  
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Seq#:74; N Pos. 161,163,170,1229,2243,2309  
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Seq#:76; N Pos. 858  
Seq#:79; N Pos. 1145  
Seq#:81; N Pos. 390,456,1100,1293,1409  
Seq#:82; N Pos. 687,764  
Seq#:84; N Pos. 717  
Seq#:85; N Pos. 19,873  
Seq#:88; N Pos. 1844  
Seq#:90; N Pos. 349  
Seq#:93; N Pos. 849,865,1087  
Seq#:94; N Pos. 722  
Seq#:96; N Pos. 457  
Seq#:100; N Pos. 117  
Seq#:103; N Pos. 287  
Seq#:108; N Pos. 252,804  
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## RAW SEQUENCE LISTING ERROR SUMMARY

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Input Set : N:\Crfa\Refhold\10\_folder\J849979MOD.raw

Output Set: N:\CRF4\07272004\J849979.raw

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Seq#:123; Xaa Pos. 129,178,187,262,308  
Seq#:124; Xaa Pos. 99  
Seq#:127; Xaa Pos. 27  
Seq#:129; Xaa Pos. 120

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

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Seq#:2; Line(s) 71  
Seq#:3; Line(s) 81,82  
Seq#:4; Line(s) 89  
Seq#:5; Line(s) 96,97,98,99,100  
Seq#:6; Line(s) 107  
Seq#:7; Line(s) 114  
Seq#:8; Line(s) 121  
Seq#:9; Line(s) 128,129  
Seq#:10; Line(s) 136,137,138,139,140  
Seq#:11; Line(s) 147,148,149,150,151,152,153,154,155,156,157,158,159,160  
Seq#:11; Line(s) 161,162,163,164,165,166  
Seq#:12; Line(s) 173,174,175,176,177,178,179,180,181,182,183,184,185,186  
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Seq#:20; Line(s) 490,491,492,493,494,495,496,497,498,499,500,501,502,503  
Seq#:20; Line(s) 504,505,506,507,508,509,510,511,512,513,514,515,516,517  
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Seq#:22; Line(s) 587,588,589,590,591,592,593,594,595,596,597

**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/849,979**DATE: 07/27/2004  
TIME: 17:37:51Input Set : N:\Crf4\Refhold\10\_folder\J849979MOD.raw  
Output Set: N:\CRF4\07272004\J849979.raw

Seq#:23; Line(s) 628,629,630,631,632,633,634,635,636,637,638,639,640,641  
Seq#:23; Line(s) 642,643,644,645,646,647,648,649,650,651,652,653,654,655  
Seq#:23; Line(s) 656,657,658,659,660,661,662,663,664,665,666,667,668,669  
Seq#:23; Line(s) 670,671,672,673,674,675,676,677,678,679,680,681,682,683  
Seq#:23; Line(s) 684,685,686,687,688,689,690,691,692  
Seq#:24; Line(s) 699,700,701,702,703,704,705,706,707,708,709,710,711,712  
Seq#:24; Line(s) 713,714,715,716,717,718,719,720,721,722,723,724,725  
Seq#:25; Line(s) 752,753,754,755,756,757,758,759,760,761,762,763,764,765  
Seq#:25; Line(s) 766,767,768,769,770,771,772,773,774,775,776,777,778,779  
Seq#:26; Line(s) 790,791,792,793,794,795,796,797,798,799,800,801,802,803  
Seq#:26; Line(s) 804,805,806,807  
Seq#:27; Line(s) 818,819,820,821,822,823,824,825,826,827,828,829,830,831  
Seq#:27; Line(s) 832,833,834,835,836,837,838,839,840,841,842  
Seq#:28; Line(s) 849,850,851,852,853,854,855,856,857,858,859,860,861,862



## VERIFICATION SUMMARY

DATE: 07/27/2004

PATENT APPLICATION: US/10/849,979

TIME: 17:37:51

Input Set : N:\Cr4\Refhold\10\_folder\J849979MOD.raw

Output Set: N:\CRF4\07272004\J849979.raw

L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:1380  
M:341 Repeated in SeqNo=13  
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
M:341 Repeated in SeqNo=14  
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:420  
M:341 Repeated in SeqNo=16  
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:1200  
L:430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:1080  
L:490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
M:341 Repeated in SeqNo=20  
L:645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:1020  
M:341 Repeated in SeqNo=23  
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:540  
M:341 Repeated in SeqNo=25  
L:807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:1020  
L:818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
L:954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:420  
M:341 Repeated in SeqNo=30  
L:1001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:1080  
L:1136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:240  
L:1168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:300  
M:341 Repeated in SeqNo=36  
L:1250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0  
L:1311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:240  
L:1385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:300  
L:1741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:900  
L:1783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:960  
L:1912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:1500  
M:341 Repeated in SeqNo=57  
L:1954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:1200  
L:2033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:1020  
L:2084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:0  
M:341 Repeated in SeqNo=63  
L:2307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:1740  
M:341 Repeated in SeqNo=70  
L:2363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0  
M:341 Repeated in SeqNo=72  
L:2407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:660  
M:341 Repeated in SeqNo=73  
L:2442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:120  
M:341 Repeated in SeqNo=74  
L:2510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:720  
M:341 Repeated in SeqNo=75  
L:2554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:840  
L:2683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:1140  
L:2738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:360  
M:341 Repeated in SeqNo=81

**VERIFICATION SUMMARY**

DATE: 07/27/2004

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L:2782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:660

M:341 Repeated in SeqNo=82